

## Module DC-DC 1-OUT 5V to 15V 2.4A 12W 4-Pin DIP Module Tray



Images are for reference only

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** MODULE

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

#### Key Features

Up to 12 W Output Power

Wide Input Voltage Range (2.95 V to 5.5 V)

Wide Output Voltage Adjust (5 V to 15 V)

High Efficiency (Up to 90%)

Operating Temperature: -40°C to 85°C

Surface Mount Package Available

#### APPLICATIONS

Telecommunications, Instrumentation, and General-Purpose Applications

#### Description

The PTN04050C is a 4-pin boost-voltage regulator product. In new designs it should be considered in place of the PT5040 series of positive step-up products. The PTN04050C is smaller and lighter than its predecessors, and has either similar or improved electrical performance characteristics. The caseless, double-sided package, also exhibits improved thermal characteristics, and is compatible with TI's roadmap for RoHS and lead-free compliance. Operating over a 2.95V to 5.5V input range, the PTN04050C provides high-efficiency, step-up voltage conversion for loads of up to 12W. The output voltage is set using a single external resistor. The PTN04050C may be set to any value within the range, 5V to 15V. The output voltage of the PTN04050C can be as little as 0.5V higher than the input, allowing an output voltage of 5V, with an input voltage of 4.5V.

The PTN04050C modules are suited to a wide variety of general-purpose applications that operate off 3.3-V or 5-V dc power.

### Recommended For You

#### PTH05060WAH

Texas Instruments, Inc

DIP

#### PTH04070WAD

Texas Instruments, Inc

DIP

#### PTH04070WAH

Texas Instruments, Inc

DIP

**PTH03000WAH**

Texas Instruments, Inc  
DIP

**PTH08T260WAD**

Texas Instruments, Inc  
ECL10

**TPS82740BSIPT**

Texas Instruments, Inc  
USIP-9

**PIR08060WVD**

Texas Instruments, Inc  
EDP-5

**PTD08A010WAD**

Texas Instruments, Inc  
EGS-12

**PTH05000WAZ**

Texas Instruments, Inc  
MODULE

**PTH05060WAD**

Texas Instruments, Inc  
EUW-10

**PTH04T230WAZ**

Texas Instruments, Inc  
MODULE-10

**PTH03050WAD**

Texas Instruments, Inc  
DIP6

**PTH05010WAZ**

Texas Instruments, Inc  
DIP

**PTH03060YAST**

Texas Instruments, Inc  
DIPModule

**PTH03060YAZT**

Texas Instruments, Inc  
Module